



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

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GOVERNOR

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SECRETARY

MEMORANDUM TO: Project Engineers
Project Design Engineers

FROM: G. R. Perfetti, P. E.
State Bridge Design Engineer

DATE: August 18, 2008

SUBJECT: Prestressing Strands and Transverse Post-tensioning Holes

At the request of Precast Concrete Producers, design prestressed girders, cored slabs, and box beams using 0.6" (15.24 mm) ϕ strands. Also, detail 0.6" (15.24 mm) ϕ strands in 2½" diameter holes for the transverse post-tensioning.

As a reminder, for all girder types with a straight strand pattern, detail at least one pair of strands between the neutral axis and 6 inches (150 mm) from the bottom of girders to facilitate tying of stirrups.

The standard drawings have been updated and are available via the network drive and Structure Design's web site. The Design Manual will be revised at a later date.

This policy is effective with the March 2009 letting.

GRP/GM/kmb

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